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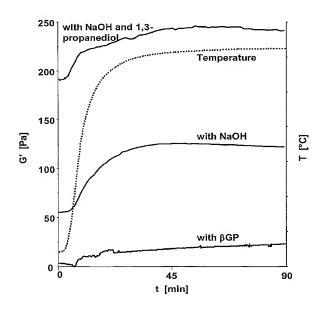
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(54) Title: PSEUDO-THERMOSETTING NEUTRALIZED CHITOSAN COMPOSITION FORMING A HYDROGEL AND A PROCESS FOR PRODUCING THE SAME

Elastic modulus (G') of three hydrogels as a function of time when temperature increases from 4 to 37°C.



(57) Abstract: The composition disclosed is a pseudo-thermosetting neutralized chitosan composition, neutralized with an hydroxylated base, forming a phosphate-free transparent hydrogel at a temperature higher than 5°C. Said composition contains a homogeneously reacetylated chitosan derived from a chitosan having a deacetylation degree of 80 - 90 %, having a molecular weight of not smaller than 200 kDa and a deacetylation degree of 30 - 60 %, and may further contain a diol. Said composition may be used as a drug delivery system.

"With NaOH" refers to the hydrogel obtained in Example 6

"With NaOH and 1,3-propanediol": refers to hydrogel obtained in Example 7

"With β-GP": refers to comparative hydrogel obtained in Example 10 (Comparative)



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GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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